



Fig. 1

200

210

DETERMINE A FRAME SIZE OF THE DIGITAL VIDEO CAMERA

220

DETERMINE A COMPRESSION RATIO OF THE DIGITAL VIDEO
CAMERA

230

DETERMINE A BANDWIDTH OF A COMMUNICATION LINK

240

COMPUTE A BANDWIDTH CONSTRAINED FRAME RATE AS A
FUNCTION OF THE DETERMINED BANDWIDTH, FRAME SIZE
AND COMPRESSION RATIO

250

INPUT REQUESTED FRAME RATE

260

REQUESTED FRAME RATE >? THE BANDWIDTH
CONSTRAINED FRAME RATE

YES

270

INTEGRATION TIME THRESHOLD = $1/(BANDWIDTH
CONSTRAINED FRAME RATE)$

280

INTEGRATION TIME \geq INTEGRATION TIME THRESHOLD

290

DETERMINE UPDATED GAIN VALUE FROM THE
INTEGRATION TIME

Fig. 2